# EEKLY

Tepe Duplicating

self a computer ris 00-600 2000 and silve

Dragon in forced ale by Mettoy

a pringued casable deci-tegra including many garms (of full 2007)

To SERROW HOTTWANS URNAME

WE GIVE YOU MORE-EVERY THURSDA



en felter Sub-editor

Editorial Secretory

David Lake |31-839 28466 Advertisement Executive Alastair Macintosh [01-930 3643] Managing Editor Publishing Director

nothouse Court, 19 Whitcomb Street

Telephone 21-838 6836 Published by Surehine Publications Ltd.

You can have Papular Computing Westly and

Adulted which may supported by outdesting

Dragon sale: Commodora FA risks

TERES DADA

Programming

MNine Code

With Christman fact representing

disciminating new then they were

they can play PacMan and Souce

number of other by manufacturers are compared here streety branched out

The moult is likely to be a rise in Equally important, software houses

tem? How meny startifies and you

Your local newsagent needs your support

Mare.



# ABERSOFT 7 MAESAFALLDI, BUW ST, DYFED, SYZM SEA

ZX81 & Spectrum Games

nex ZXB1 CB 85

rex ZXB1 CB 95

rex Very best rain declara Institutes impalary ship

TAN ZOSP CA 46

SWEATCH A fast action into game that reproduces the
till the original. The Spectrum vention includes
excellent graphics
TAN ZOSP CA 46 - Spectrum CA 56

Adventure 1: Secretion the original generally Disease. You game was the cast of the Adventure crass. Herelevel, Second State save 2 Feature Save game souther as the general secretion game and the complete. YEX ZCEP ZE 95 – 44K Speeds on ZE 55

SØFTEK

48C 30 MAZENTURE. This tax naptime onde gover in both a 3.0 man and advanture is one Highly recommended and explaint value for my KCES. (Septiment of high 19K Their 20CAM AZENTURE: A full advanture in 18K, properly the less around — only KCES.

MEMI

COMPILER

Exp. Watting (bit) closely water a integer seems and name year in anythin time a metahlish option only how par and hard silvential Cultivates shows you to write programming us to 50% of the AUSE and there have a route ambition provided in the other time and Cemplete with evaluation or continuous continuous and interest in the section of the continuous and anything the continuous and the continuous and anything and any continuous seems and office in the highest markets interesting the final relationship and and office in the highest markets interesting the final relation and office in



POPULAR COMPUTING WEDAY

Vic rallles as falters

Tony Clarke communited

eggreeelve RUNINGTOWN normally sell

markation

Torch modem epproved

Taking a horizontal view

FOR those who find the 32-

BBC goes Forth

The re Porth compiler to

Still weiting.

but lietening

Di the way, compa Sendag's Among the sames on offer

5th ZX Microfeli



# PLYMOUTH COMPUTERS 13 EXETER STREET, PLYMOUTH DEVON 0752 230/12

#### STAR BARGAINS!!! EPSON MOSSO FT111 PRINTER

- DRAGON 32 M260A DUSTCOVER
- ☼ DRAGON 32 DUSTCOVEH
  ☼ EPSON MX80 DUSTCOVER
  - MO HODEN EXTRAS IN DUR PRICES
    ALL INCLUDE VAT AND CARRIAGE
    - SOA CHRISTIMAS BLIVERS Q NOW FOR BEST PRICE

24.90

63 EXETER STREET, PLYMOUTH DEVON 0752 23012





POPLEAR COMPUTING MEERLS

**LETTERS** is organized these, you was Exchange I wonder of any or nour read-In exchange I can older a du aug think Stadah's ottercondex ageed at the ZXS There are a number of loss own works ago I schedule, mustly technical Mr Sercior I raggest needs problems have meant further backing for Life muchines does The peaced receptor of And he pulled out e plum After cost to unboug Auto org. height or informative

11 NOVEMBER 1982







# From the Bachelors to **Bug-Byte and Bach**

David Kelly take to Ned Hooser of the Tape Duplicating Comparts someter arthracal & stand on Man-Very prospective potwers company

you were doing well. This handled me. I

Nail agreed to do nome trade with the

reasy lines on reals of cesselle lape (ive

Consular tace duplicating Names de magnetic costing of the tape - and/ would be triumble on its public cattlette (2) Mayler loop. The 1' resider is former



(7) Cutting out If there two quality checks.

canles that hope to do Dregon can

Pirecy of our own cassattes in some-

"Quite what will happen to the UK

Mod computer passettes are either CE.





#### REVIEW



Capping 'em all with Mastermind

ampular hobbylat elliprimenty to lisers gropress, fiver is dill aheat of people who do all day capping elekfusion and other discord is bed. — yet lisel is bed. — yet lisel is but with a comlogist There come a appropriate softwere

name Successional programs
to be the arrawer intelliging
the Gould in schallp day that
he began to self-bed the schallp day
that
the began to self-bed the schallp day
to be began to self-bed the schallp day
to learn more
to self-bedy toned down
to learn the some or self-bedy toned down
to the schallp day
to a thought are seried specifibeaussional application of the

and autients lice Money often-meigned cash flow program) and the Probet Musu Planter the cook-

POPULAR COMPUTING WEEK

boses which contain a superble with

#### REVIEW

ons difficult to assess

net the question, both the arrayer and

I found the level of questions elitties if the

Mow to contribute Each week the addor goes through all The eather of that program will coully b Second of NO.

LETH, a H. + SE

LETH, a H. + SE

Spoold,

LETH, - SMIL

LET E - PLEX.SE Properties which are recal likely to be will be computer admiss and The program will be well documented LET ME = 10. = 06 In ME = ME = 7 I St i = 0 then LET M = 6 and perior 105 Ms LET 0 = 8 LET 0 = L The decumentation should start with a LET G = L LET HL = HL THE WAS SERVED LET HL = HL = HD in th = HL = 133 + Y) LET G = PRINCHS. Listings taken from a ZX Printer ellevid Please ancions a stemped. TE LET AZ - AZ + "HHOE TRIMEDIMONI DE PORETICINE+CODE AZ + CODELARIO - 474 Screan 5 Program A on 2000

Migh-res Characters and A 7 /s or to some of the common of

POPULAR COMPLITING WEDLY

# Attenuators is a program which require EXCC 124-0-142-0-0-147-127-0-5 Atlenuators giving more then 2009 loss LESSOTE UNDER THE REAL PROPERTY. ture to page 18

Open Forum



16/48K CASSETTE SYSTEM





AMOVE: Edit copy of printout for T- and FE-networks

with unequal input and owight impedantes.

BELOW: EX31 conv of printout for T- and PI-networks

UNIGALANCED RESISTIVE II	TENUNTORS O	UNDREANCED RESIDTIVE ATTENUATIONS					
T-NETHORK		PI-NETHORK					
R (3N) when overs in rout?	-ERR CHYS	8 (20) -586 OHHS R (OUT) -598 0095					
ST. SAHE SHEE	RO OHHO	ggr.	04 Orens	OPENS CONTROL	RE OHHO		
1.s 62 65	5467 4467	1.0	18475 6946 6925	18435 6966 3236	184		
0.e 66 66 183 183	1782	3.0	4199	4780	379		
7.0 138 138	1449	2.4	3515	2242	866		
4.6 108 108	1190	3.0	8148	2068 2142	005		
8.0 125 125	907	8.6	1332	1950	100		
5.e 935 935	220	3.5	1070	1868	656		
7.6 844 844	866	9.8	1376	1222	624		
8.e 975 575	497	0.0	1323	1200	739		
9.8 306 899 18 318 312	455	340	1994	1155	795		
18.5 226 236	292	10.5	1275	1911	915		
11.0 346 340 10 359 309	355 E	12.0	1999	1905	1110		
18.6 278 278	244	18.6	975	8228	1371		
13.5 391 391	266 8	10.0	900	000	1566		
14.0 418 418	274	14.6	675	055	1576		
16.8 438 436	107	16.6	645	642	1737		
18.0 444 444	144	18.0	011	011	1950		
12-6 469 419	103	17.6	786	700	8928		
18.0 238 232	142 1	10.n	788 788	268	2202		
18-8 460 460 18 461 461	107	19.5	755	735	2548		

REFERENCE: Marconi Instruments, "Useful Peta", page 385

by D Fetroh

The program produces a map of the world

to turn all of the characters which are to be digital can now be made (characters meety of Day alescreens for the X.5

PROGRAM OF THE WEE 10 factor 1-32768 FORF-OTOLSS FOREI-T. PERKIT-S) MENT FORES2.24 FORES6.24

\$6 Terries: 45 45 47 47 49 24, 93, 90, 2 14, 22, 46, 46, 40, 05 1, 15, 29, 47, 85, 4, 15, 28, 82, SETTING NO. 24 S. IN 29-46 NO. 89-24-4-14-28-49-42-51-52-54-56-59-62-65-66-5-15-

08 SHTHEE . 51.53 53.56.31.7.16 27.47.42 57.79 81,51.54.24.4.17.26.45.51.57.79.8 10 BYTH 3-5. 25. 25. 25. 23. 33. 42. 60. 60. 62. 74. 75. 4. 26. 31. 44.60.60.60.74.74.5.27.30.45

190 37 190 097974,79,89,89,4,08,58 58 58,77,77,85,86,2,26,38,51,58,87,87,57,57,57,51,58 160 [8Y992, 83, 85, 95, 5 29, 27 51, 57, 29, 60, 90, 92, 95, 35, 4, 29, 36, 51, 57, 59, 68, 79, 86, 4 TRI DRINGS 1, 56, 59, 59, 77, 07, 4, 29, 94, 52, 56, 59, 59, 77, 88, 3, 29, 34, 52, 55, 78, 88, 3, 29, 24

# (#TR91, 98 2, 28 29.91, 91.1, 20.29.1, 20.29.0.1, 38.38 35 SETHE IPHENT THEN SEEDS SEEDS CAR END 200 CONTROL THREAD TOWN TOWN TO THE TOWN THE TOWN TO SEE SEES OF THE TOWN T

218 FOREST PERCEPTION 2 1977 PETURN

Agterold Lander on MIC Micro

209 COLUM 2-PROVITING 14, 2817-D-MRS/ROHRS26D-RRS27 2008-09-741 20003-09-1-P034T7/806-Y1-0409(225)

100 COL 8,860(7) 150 D.C. 68,860(1275) 800(1006) 200 HEAT I

of the America commercial and the commercial and the commercial and the commercial and the commercial and comme

250 NO. 23-255 AFF AFF AFF AFF AFF AFF AFF AFF AFF 278 101 23,227,455,455,455,450,450,450,458,468,403 208 101 23,225,455,455,455,455,455,455,455,465,463

278 IF YME? BND HMIS THEN PROCEUCO-COTO 2850

SBAPRINTTROCK, TO abcount of valt too wald in year pup KATE THEN PROCTILT PROCESSES PROCESSES

46899(1)(TAN(X,Y)" ' 1099-1

2005 ABH 'Z" THEN PROCURET 26005 PRIN'S" THEN PRICESONS

SUPPRINTINGS X. ( ) Years ! SHRIF XXXIS THEN APPAUL

2321F KINH RND YM11 THEN PROCESSEN 748LF XM1 RND YM12 THEN PROLESSA 75017 X-J Red Yels THEN PRISSION 760IF AME PHD YELS THEN PROCESSES 77 SIF XXI FND YNIN THEN PROCEDUL 7881F XMM FMD YM18 THEN PROGRESH 7981F XMM PNO THIS THEN PROCESSES DERTY WAS FIND THE THEN PRODUCED STRIF XMP RND YM13 THEN PRODRESS 9281F X=0 FeD Y=16 THEN PROJECT 8381F Nell Rep rel5 THEN PRICERS 840 IF AND PAIR THEN PROCESSES SCRIF DOT SAD VALL THEN DESCRIBE

SERIF YOU FAIR THEN PROTUNES 7081F XHE FIND YOLK THEN PROCESSES

FLOOR HAF FIND YOLD THEN PROJESSI 7203F KING PAID YASE THEN PROCESSES

500FGR 132-15 TO 0 9189000 8.13.6.2 928NEXT 928998000949

990 IF YMB THEN PRINT" HELL DONG. YOU' PRINT PRINT! COMPLETED YOUR" PRINT PRINTY MISSION SHPLY, " PRINT-PRINT SSEPPINT' PROTINCE GAME (YAN)"

19889940579 TOTALL MR. "Y" THEN BLIN 10201F ABC)"H" THEN COTO 1800

Consider on the State of the State of the State of Considerate of State of SHEEDLOOK SHEET THE CAY TO MAKE STOLEN A SHEEDLOOK SHEET THE CAY TO MAKE STOLEN A SHEET SH NUMBER OF STREET STREET, SHIPPING A HISTORY PROCESSIONS personant recommendation of the property of th ISBNOR ZZZZ-0 TO 1-PESATTION IN THE COLUMN TO A TO A COMMENT OF THE COLUMN ASSESSMENT OF THE COLUMN ASS 2015-1-10 - 1014-1180-1-110-09225-0000R-4 102-0-1900 MESO MY KEY TO STANT! HORSELF PROCEDURE HORSE COLLUMN A HORSELFTTHEORY, 1817 PARK-1 15 FROM THESE RATES AND COLUMN TO STATE OF STATE O ASSESSMENT A LINE CHESCON ATRICOLOGY 1 PRONTINGS, THE DESIGN OF 3476COLOR 1 PORTTHE N. FIDERICE CLUBE & 1480F14TFF LIZICORRES 1680F14TFF LIZICORRES 1680F14TFF LIZICORRES SERVICION (1/00/4TTHE K/9) DARESS CELSUR X SUBPRESENTATION 2:13 DARESS 1538/41477HC 2:13 DARESS 1538/41477HC 2:13 DARESS SHOPPLATTREE, 149 | E-4-1 SP E4-0 FMEN E-18 | SOOPPLATTREE | 149 CAMP204 | SOOPPLATTREE | 149 CAMP204 | SOOPPLATTREE | 149 CAMP204 STANDARTHON - LIGHT CONTROL AND PROPERTY COLOUR 4 STANDARTHON - LIGHT CHARLES - ADMIN THEM FILE STANDARTHON - LIGHT CONTROL - ADMIN THEM FILE STANDARTHON - LIGHT CONTROL - ADMIN THEM FILE 22319(2); 23.482, 40.483, 581, 581, 591, 682, 578, 683, 485 22319(2); 23.482, 40.483, 581, 581, 591, 682, 578, 683, 485 23326(3); 1797, 16, 581(14886); 6 TERLICION : PRINTINGEN, FREMEROS COLORS 4
LENDOS TROSCO, ISON CHECO TO COME THEN GALS ESPECIATION E-187 C-08524 06370.4107 1 791547 00.05 1) C094227 00.038 4 15300354707 06151 1 50005 1 10 1000 1000 9016 164070507 90194.3 10 60004 1650041877061 127 1494-111 100 1000 9418 ACTOR OF THE LABOR CONTROL OF THE PARTY OF T

Asterold Lender

| Telephone | Tele



# WHY BUY THE BBC MICROCOMPUTER?

Only this machine has the manave endorsement of the Department of Education for use in all schools, of the BBC itself through its Computer Literacy Pages, and above all in the BBC TV sensi The BBC M computer also boasts Expansion Capabilities unparalleled in any other

Why buy from Data Exchange? As an authorized distributor, we have large stocks evaluable now, in time for Christman, and the new BBC Computer Programming series in January,

BBC Model A \$200.00 (+ \$5.00 p+p) BBC Model R \$259.00 (- \$5.00 m+rd g+g (0.52 +) 00.462 Q+Q 00.42 +1 00.2452 at available on reques Beebstick - all leads included SPECIAL THE REPORT OF THE SPECIAL SPEC

DATA EXCHANG

STATEMENT SCHAPES
STREET, THE SECRET STREET, THE SECRET STREET

POPULATICOMPUTING WEEKLY

#### PROGRAMMING Save it for a rainy day John Duret como

Wat we need is a system which will 11 We can at 0 out two tests of dolls into a among the varieties. You smould have

In a practicel program, you would prote

When you want to cod this notine, yo

NUMBER & BRIDGIES & P.S. PROUS BUILDING Aubroutines FIRES

Jecode & grant Pages 1 pt in 22

## U=1 TO 19 STEP 0 T X= TO NND XE(J) = ")+(CO 1)-07 NND XE(J)(>")+(CO 1)-07 NND XE(J+1) = ")+( X (U/2+.0) = CHR = (10+X+Y

-X81 TO 61

in The open

### SPECTRUM Dwelling on

#### Ragnarök John Scriven alves a few

NA - NTALE - REPUSION - MAN

1400 SOOCH BON FILM Industriers wellen - if only neer the subroutnes to

If you use a subroution to intrefer

WHITE SHEET .....

He so you name were purpose to 

to page 25

AND AND TO USE OTEY E SERVICE AND THE PROPERTY #11 A. 100

### MACHINE CODE

# Generating

coded ends

10 PRINT BASE ADDRESS CO 29 INTUITE OF PRINTS

it can be seen in the fitting that I have

40 PRINT 'NO DEDATA BYTES CT.

19 POREAC M LETA - A+1

DIMMO LET M (3) - 257 LET M (40 = 79

Done are the standard "and of souths

MOME and 16569 furtish hypother from a

Whitpawh Street, London MC2 74F

### DRAGON Temperament

and the Dragon Simon Owen looks at the

This arisis is mainly dedicated to all this

Oh, what a levely sight that Dragon is

194 - and the Everyland but at the -

A week and a half and ready a head of had letter, I road that this new arrand of fon ringing in els bean I begoed the some arm blue and off I desired but

grey to black on green or use serial

the Dragon has to do with the way that the reproduced eight times - each in a

Drugge Detait software is not as good

THEY THOUGHT STOP CLASS A

HOSEL POLICIONES 1-1

AND THE PERSON NAMED IN

PHODE 3,1

Attrough I seem to be onlowing my

to arrange you. The first produces consider

# PEEK & POKE for greeted? Whelever your problem Peak it to lan. many answers as he can. The address is Feet & Poice, PCW, Hobbourn Court, 19 Whitsomb Street.

TO SCHOOL

Thu can be done if you O Those that your notes so.

marking code is going to he or helpful on it hash I wooder if you could clear up. ACE GOES BACE O I am very interested to

I am univer obether or not to (b) Who is a muchine code EXEL or Secritors in leven on. in muching code? art Why in it that harden Leaded a merhipe cod-

buy a computer that Inn un-

to Wilh all day respect to

The reason machine

COMMON CARS UP MARKET Part Michael of Romena.

Q There sees written down

O After reading year

# Classified

ECO SECTIONS	WHAT IS THE
NO POST CASE OF THE PERSON	AXON GROUP?
EPECTPUM ESCUTE Dolyte money has be	GHOUP?
ting a filling national surface control transfer	JOIN US7

COMPUTING WEEKLY

Transport (N.S.) In the Part of the Part o

VILENCES PIELS CONLEY ON MILENCES PIELS CONLEY ON MAA DOTMING TOTAL CO. PLEASE ENGLISH STREET ONE MAIL SPORT SERVICE SPECTRUM SOFTMARE, Why his address Sort for more that the management forms 24 September

secretary at or part of program All formation at the product The first

ge hage classor yet and not contain of two custom in a rundom mass good relative and second Series (250) Story franchistas 27 Steather-Brigh Brix series beriffernighter

A AM SPECIAL WHERE IT HE WE

had strong TV to the a livery information for free feet best fire Way decreases from 100 and 1

to have missed 40 or on him to 10 to be for freigh and more on the CHISA \$10°C Learning Chings Sensorie Will will be forecast. (b) an ESCITION APPEARANCE OF A

ZXEL 166 SAGLAIR, 100° S Manual CIC of software CPC one S Quadran Tai reprovidence EXE

By David Limitation Coly 05 95 on piles This is the Bod book for the Spen Most or take you begand the metro

Papule Consuling Policity Send shaques justed outpry, for \$5.56 to The Working Spectrum Sursaline Sends Reinfarcar Court, 15 Rindgrupe Street Care don WCS 199

TE SI MOT ENQUOY

THE DOES HER, you software and major acres CEO Phone Farmering (hand-1000) herder EXP. 166 BARPAC DAY DEFEND

A Non servings general VC Re-visions and sizes software. (458 one for mores during 2005 Neal EWAY VCSD South Adven-

WICH AND CARRETTE ORDE, HAVE STATED AND CARRETTE ORDE, HAVE STATED BOOK AND MAY THE

ATTER MATERIAL DECK. IN

VCIII plus cannote technic in origin of sealing union guarantee objects to be a sealing unique objects (6) original biguinters somethir and position and software 2000. To 10410 Gen

etter passings o'nd epotes x75 et 124 mais + 16 Aces foatig cont. are pomes. BOM PSU 200 et 5 W E225 are ? Outer 01 265 5000 (anomal)

SAARS PE 1000 - porce or fine garring care PG 1211 red land

ELM NO 1515 PROFIES, may never use used to an other Tol Chapters (CC) 2001 THURBALL PO PORT, HARD

tope CROS one Tal 872 72 7 cell response or part surhange for 2027

BOOF KINE, seeded andian

green proper dual street or to to switch a filling up grade in the flags, over Colle at surfaces GHC Fall OCCO TREET THE GROUP PRINTS WITH THE WITH SHAPE ATAN KOED COMPUTER WIT

MANTED BISC PICTO MODEL II

PANTED EX SPECTIONS IS IN will good prom paid for 0750 3000 flature

BACK

NUMBERS MAKE SURE OF A REAL COLLECTORS' ITEM -

THE FULL SET OF PCW We will med any of the numbers you so m from issue 1 to the latest - for just 50p or

We have no more copies of fissure 2, 6, 7 Send cheaves Postal Orders to

Back Numbers Popular Computing Weekly

Hobhouse Court

# THE WORKING SPECTRUM

A LIBRARY OF PRACTICAL SUBROUTINES
AND PROGRAMS
By David Lawrence

By David Lawrence
ONLY \$5.95 inc p&p

Fed up with books All of thrial, simple games congrime and initial which saume you have all the time in the world to represent the service of the properties of the properties of the properties of the properties in series soon as class solonge, finance, ordination programs in series soon as class solonge, finance, ordination, graphore, butweeth development and docustom.

Sauth of the programs is explained in celebrate the byte. And such of the programs is both or or or of prevent illuspress solunctures and

modules shach once understood over little files lies of any other programs you need to mole. Advanced programming suchsiques spring out of the clevumient explaining such substaurs. The mesult is not only to elektrion your programming colds but size to leave you with a wide image of prattical acceptance or programs, which might otherwise only be wishiske to



Please souther a range of the Winding Southers.

I written a dissource of the State Maries

Address.

Signed

Filese Files yet, diagram payoria in Europina Banka
Filese seed you need on the National Security Europina
Banka Seathouse Gover, 19 Released Store, Lancet WCE

TOP

Filese yet in 36 may be delayed.

## COMPUTER SWAP 01-930 3266

Do you want to buy or sell a microcomputer? You can do it FREE in Computer Switp, a new regular service for Popular Computing Week maders

All you have to do is others computer Swap on ID-1400 2005 and gave as details of your compuler, the price you went for it, your names, addresses and oblephone surficer.

Computer Swap setties are illrested to a maniferant of 30 words

CLASSIFIED ADVERTISING
Compare Swap — Free Private reade — 10p a word Trivate Advertise meet — 20p a word Trivate Advertise — 20p a word Trivate — 20p

Compute Swap — Pres Private reader — CD a wood Track Advertisetions — So a level Semi-dody, — CS a lengte column cacherote, informatin hor cellumn cellumnes, — and semigraph open comindramatin hor cellumn cellumnes, — by the set your computer five five through Computer Swep. See box on list for datase. Polyside seaders — other advertisements from private readers cost 10p a

Provide aspects — other inventionments may be new resultence occur. Desire disappley — why not make your edemonstrate encre substantial by Serie disappley — why not make your edemonstratement encre substantial by Serie vice released of the provide of the provide common certifierers Serie your disappled entires to Classified Department, Projecte Companies Series your disappled entires to Classified Department, Projecte Companies Will Williams (Series County) — Williams (Series Lucroice WOLF For Williams (Series County) — Series (Series County) — Series

cre	8	my	•	lassified	ad	
			1			

# ROPHER SOFTUPRE LATE OF THE PROPERTY OF THE PR



The processing of the processi

promited provides and if which — may accomplish the company of the

We are a sease (seases upon the light price a plain feeting of all parts of the feeting of all parts of the sease of a parts of the sease of all parts of the sease of all parts of the sease of all parts of all par

SUNTHESIZER

for an engagement from

Fine Vis Mallingued Systematics or may frontife and non
to papagathesium augus of an or a destrice acquired date
to locate a control of destrict. For exercision belongs

to paper a locate or an exercision destricts for exercision destricts

to paper a locate or an exercision destricts. For exercision belongs

to paper a locate or an exercision destricts preserved as

SEA INVASION

Fig. of the defending are established for the control of the contro

SPACE ATTA

OUR GAMES ARE AVEA BLE FROM ALL GOOD HOME COMPUTER SHOPE, INCLUDING:

THE SEARCH STATE OF SHIP AND ALL SHOPE ARE ALL SHOPE AND ALL SHOPE AND ALL SHIP AND ALL SHI

# SPECTRUM COMES TO LIFE!

# ABBEX THE GAMES PEOPLE



EAT THE PILLS AND KEEP AWAY FROM THE GHOSTS. EAT THE VITAMINS AND CHASE THE GHOSTS. FULL MACHINE CODE ARCADE ACTION AND SOUND. DESIGNED TO MAKE YOUR ADREAM. NUN HIGH. PRICE 54.9.5

COSMO



YOU HAVE THE JOB OF PROTECTING A CONVOY FROM ALIENS AND METEOR STORMS. WATCH OUT FOR THE SPACE MINES AS YOU PLAY THIS AMAZING MACHINE CODE ARCADE ACTION SIMULATION PROGRAM. PRICE \$4.95

WRITE OR PHONE FOR LIST OF GAMES FOR OTHER COMPUTERS OR JUST MORE GAMES

					ICS	

PUDATE COMPLETE BUSLOON ADDRESS ...

PARTY DOUGOOD COORDINATION CONTROL CON

SPOOKYMAN PROCESS

\_\_\_\_